

*Excellence in Electronics***TYPE
2E35**

The 2E35 is a filament type pentode of subminiature construction designed for use as a power amplifier in applications requiring economy of space, weight and battery drain. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting leads to a suitable length.

MECHANICAL DATAENVELOPE: T-2X3 GlassBASE: None (0.016" tinned flexible leads. Length: 1.5" min.)

Spacing: 0.048" center-to-center

TERMINAL CONNECTIONS: (Red Dot is adjacent to Lead 1)

Lead 1 Plate

Lead 2 Grid #2

Lead 3 Filament, negative ■

Lead 4 Grid #1

Lead 5 Filament, positive ■

MOUNTING POSITION: Any**ELECTRICAL DATA**DIRECT INTERELECTRODE CAPACITANCES: ($\mu\text{fds.}$) ▲

Grid to Plate: (g1 to p)

Input: g1 to (-f+g2)

Output: p to (-f+g2)

DESIGN CENTER MAXIMUM RATINGS:

Filament Voltage (dc) ●

Plate Voltage

Grid #2 Voltage

Total Cathode Current

CHARACTERISTICS AND TYPICAL OPERATION - CLASS A1 AMPLIFIER:

Filament Voltage (dc) ●

Filament Current

Plate Voltage

Grid #2 Voltage

Grid #1 Voltage

Plate Resistance (approx.)

Transconductance

Plate Current

Grid #2 Current

Load Resistance

Total Harmonic Distortion

Power Output

0.2 max.

2.7

5.7

1.25 volts

45 volts

45 volts

1.0 ma.

1.25 volts

30 ma.

45 volts

45 volts

-1.25 volts

0.25 meg.

500 μmhos

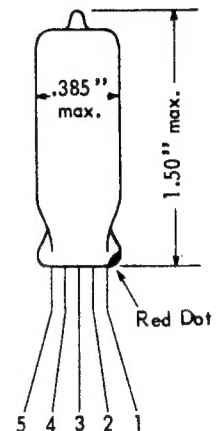
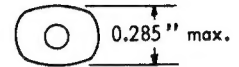
0.45 ma.

0.11 ma.

0.10 meg.

10 percent

6 mw



▲ With shield connected to Lead 3.

■ Grid #3 is composed of two deflector plates, one being connected to Lead 3 and the other to Lead 5.

● Do not use in series filament circuits. Filament voltage must never exceed 1.55 volts.

◆ Grid resistor=5 megohms.

Tentative Data

RAYTHEON MANUFACTURING COMPANY

RECEIVING AND CATHODE RAY TUBE OPERATIONS